

PATENT

The Eclipse Group Docket No. ST02014USU (168-US-U1)

REMARKS

The Examiner rejected claims 30-39, 44-59 & 79-88 under 35 U.S.C. §103(a). Specifically, the Examiner rejected claims 30-39 & 79-88 under 35 U.S.C. §103(a) as being unpatentable over Roh (2004/0196183) in view of Park (2003/0231132), and further in view of Stratton (6570531). Applicants have amended claims 30, 44, 49, and 79. Applicants believe the claims now to be in condition for allowance. Applicants believe that no new matter has been added by this response.

35 U.S.C. 103(a) Rejection Park in view of Stratton

The Examiner rejected claims 30-39 & 79-88 under 35 U.S.C. §103(a) as being unpatentable over Roh (2004/0196183, hereafter "Roh") in view of Park (2003/0231132, hereafter "Park"), and further in view of Stratton (6,570,531, hereafter "Stratton"). The Examiner asserts that Roh teaches or describes; "[t]he multi channels GPS receiver being programmed to search satellites signals with different levels of sensitivity search (see page 8-9, paragraph 95-100)." But, Roh does not teach or describe "selecting a channel of the multi-channel GPS receiver as a monitoring channel" as claimed in the independent claims (claim 1 used as an example).

In order to show a monitoring channel, the Examiner relies on Stratton; "A monitoring processing channel to monitor the position velocity and time (PVT) data to detect position error of satellite signals." But, Applicants do not simply claim a monitoring channel, they claim "selecting a channel of the multi-channel GPS receiver as a monitoring channel". Thus, the monitoring channel as claimed is not a hardwired channel or path as taught or described in Stratton, rather it is selected from among the multi-channel GPS receiver to be a monitoring channel. This is not described or taught by Stratton.

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The Roh patent does not teach or describe a monitoring channel, but the Examiner relies on it to show "search satellites signals with different levels of sensitivity search". But, Applicants are not claiming channels using different levels of sensitivity search or low level of sensitivity searching. Rather, Applicants are claiming "monitoring the received GPS signals with the monitoring channel, where the monitoring channel employs a low-sensitivity search". Thus, the monitoring channel employs a low-sensitivity search and not just any channel of the multi-channel GPS receiver. If Roh does not teach or describe a monitoring channel or selecting a monitoring channel and the monitoring channel of Stratton is hard wired and not selected, then the combination of Roh, Park and Stratton can not show a monitoring channel that is selected and a monitoring channel that employs a low-sensitivity search. No suggestion can be found for a monitoring channel to employ a low-sensitivity search as claimed by the Applicants.

Therefore, Applicants submit that claims 30-39, 44-59 & 79-88 as now presented are in condition for allowance.

Advisory Action Response

In the Advisory Action dated, February 5, 2009, the Examiner indicated that the advisory response filed by the Applicants did not place the application in condition for allowance. The Examiner went on to explain that:

...that Applicant argues that non[e] of the prior arts (Roh, Park and Stratton) teaches "a monitoring channel that is selected and a monitoring channel that employs a low sensitivity search". The rejection is using:

- Rod[Roh]'s reference teaches A GPS receiver with multiple channels[sic] which each is assigned and controlled by a processor to track the transmission from a single[sic] satellite (see page 46-47), the receiver's processor controlling the receiver through channels employed with a searched low sensitive mode (see page 9-10, paragraph 100-102).

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- Park's reference teaches a multi channels receiver's processor determining and selecting one of the channels to track (monitor) with a search range (GDOP or PDOP) (see page 4, paragraph 54-55).

It would have been obvious to modify Roh by incorporating the teaches of Park's device determining and selecting one of the tracking channels to monitoring the received GPS signals so as to perform signal tracking and data collection more consistency."

But, Applicants would like to point out that the claims (using amended independent claim 30 as an example), assigns "each of the GPS satellite ID corresponding to each received GPS signal from the received plurality of GPS signals to an individual channel of the multi-channel GPS receiver" and selects "a channel of the multi-channel GPS receiver as a monitoring channel, where the monitoring channel is not one of the individual channel channels assigned to receive GPS signal from the received plurality of GPS signals." This claim and the other independent claims require two different channels. One channel that has been assigned for acquiring and tracking the satellite and another channel that is used for monitoring. Both references cited in the Advisory Action have only channels that are assigned to a GPS satellite signal. No additional channels are assigned for monitoring in either application. Therefore, even when Roh and Park are combined they do not teach a separate monitoring channel that is being selected as claimed by the Applicants.

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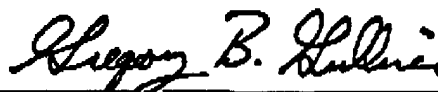
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CONCLUSION

Applicants submit that claims 30-39, 44-59 & 79-88 as presented above are in condition for allowance and favorable consideration is respectfully requested.

Respectfully submitted,

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